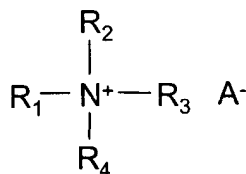


Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A wiper comprising a substrate and a sanitizing formulation applied to said substrate in an amount from about 150% to about 600% of the dry weight of the wiper, wherein said sanitizing formulation comprises water, a surfactant component that consists essentially of one or more nonionic surfactants, and ~~between about 0.01% by weight to about 1% by weight of~~ an antimicrobial agent that includes a quaternary ammonium compound, said antimicrobial agent comprising up to about 1% by weight of said sanitizing formulation, wherein said sanitizing formulation is configured so that said formulation is released from said substrate as a solution during use of the wiper in food service applications, said quaternary ammonium compound being present within said solution in an amount less than about 2000 parts per million of said solution, and wherein the wiper exhibits a log reduction for *E. Coli* of at least about 2.

2. (Original) A wiper as defined in claim 1, wherein said quaternary ammonium compound has the following formula:



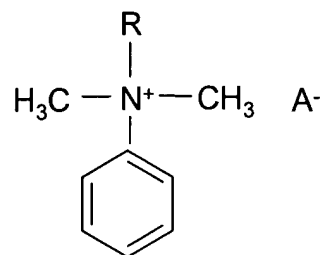
wherein,

R_1 , R_2 , R_3 , and R_4 are independently selected from the group consisting of H, C₁-

C₃₀ alkyl, C₁-C₃₀ alkenyl, C₁₋₃₀ alkylethoxy, C₁₋₃₀ alkylphenoethoxy, and combinations thereof; and

A is selected from the group consisting of halogens; methosulfates, phosphates, and combinations thereof.

3. (Original) A wiper as defined in claim 1, wherein said quaternary ammonium compound has the following formula:



wherein,

R is a C₈-C₁₈ alkyl group; and

A is a halogen atom.

4. (Original) A wiper as defined in claim 1, wherein said antimicrobial agent comprises between about 0.01% to about 0.4% by weight of said sanitizing formulation.

5. (Original) A wiper as defined in claim 1, wherein said antimicrobial agent comprises between about 0.1% to about 0.4% by weight of said sanitizing formulation.

6. (Original) A wiper as defined in claim 1, wherein said sanitizing formulation further comprises a sequestrant in an amount between about 0.01% to about 5% by weight of said sanitizing formulation.

7. (Cancelled)

8. (Currently Amended) A wiper as defined in claim 1 ~~7~~, wherein said nonionic surfactants comprise[[s]] between about 0.01% to about 1% by weight of said sanitizing formulation.

9. (Original) A wiper as defined in claim 1, wherein said sanitizing formulation further comprises between about 0.001% to about 30% by weight of non-aqueous solvent.

10. (Original) A wiper as defined in claim 1, further comprising between about 0.001% to about 5% by weight of preservative.

11. (Original) A wiper as defined in claim 1, wherein the pH of said sanitizing formulation is greater than about 8.

12. (Original) A wiper as defined in claim 1, wherein the pH of said sanitizing formulation is between about 9 to about 12.

13. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *E. Coli* of at least about 3.

14. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *E. Coli* of at least about 4.

15. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *E. Coli* of at least about 5.

16. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *S. Aureus* of at least about 2.

17. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *S. Aureus* of at least about 3.

18. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *S. Aureus* of at least about 4.

19. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a log reduction for *S. Aureus* of at least about 5.

20. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a Kill Efficiency Ratio of at least about 10.

21. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a Kill Efficiency Ratio of at least about 100.

22. (Original) A wiper as defined in claim 1, wherein the wiper exhibits a Kill Efficiency Ratio of at least about 400.

23. (Original) A wiper as defined in claim 1, wherein the wiper exhibits an Antimicrobial Reduction of less than about 95%.

24. (Original) A wiper as defined in claim 1, wherein the wiper exhibits an Antimicrobial Reduction between about 60% to about 80%.

25. (Previously Presented) A wiper as defined in claim 1, wherein said quaternary compound is present in an amount of between about 150 to about 400 parts per million of said solution.

26. (Original) A wiper as defined in claim 1, wherein said substrate is a nonwoven fabric.

27. (Currently Amended) A wiper comprising a nonwoven fabric and a sanitizing formulation applied to said nonwoven fabric in an amount from about 150% to about 600% of the dry weight of the wiper, said sanitizing formulation comprising a surfactant component that consists essentially of one or more nonionic surfactants, and said

sanitizing formulation further comprising between about 0.01% by weight to about 0.4% by weight of at least one benzalkonium halide, wherein said sanitizing formulation is configured so that said formulation is released from said nonwoven fabric as a solution during use of the wiper in food service applications, said benzalkonium halide being present within said solution in an amount less than about 2000 parts per million of said solution, and wherein the wiper exhibits a log reduction for *E. Coli* and *S. Aureus* of at least about 3.

28. (Original) A wiper as defined in claim 27, wherein said benzalkonium halide comprises between about 0.1% to about 0.4% by weight of said sanitizing formulation.

29. (Original) A wiper as defined in claim 27, wherein said sanitizing formulation further comprises sequestrant in an amount between about 0.01% to about 1.5% by weight of said sanitizing formulation.

30. (Currently Amended) A wiper as defined in claim 27, wherein said ~~sanitizing formulation further comprises~~ nonionic surfactants are present in an amount between about 0.01% to about 1% by weight of said sanitizing formulation.

31. (Original) A wiper as defined in claim 27, wherein said sanitizing formulation further comprises non-aqueous solvent in an amount between about 1% to about 15% by weight of said sanitizing formulation.

32. (Original) A wiper as defined in claim 27, wherein the wiper exhibits a log reduction for *E. Coli* of at least about 4.

33. (Original) A wiper as defined in claim 27, wherein the wiper exhibits a log reduction for *S. Aureus* of at least about 4.

34. (Previously Presented) A wiper as defined in claim 27, wherein said benzalkonium halide is present in an amount of between about 150 to about 400 parts per million of said solution.

35. (Currently Amended) A wiper comprising a nonwoven fabric and a sanitizing formulation applied to said nonwoven fabric in an amount from about 150% to about 600% of the dry weight of the wiper, said sanitizing formulation comprising a surfactant component that consists essentially of one or more nonionic surfactants, and said sanitizing formulation further comprising between about 0.01% by weight to about 0.4% by weight of at least one benzalkonium halide, wherein said sanitizing formulation is configured so that said formulation is released from said nonwoven fabric as a solution during use of the wiper in food service applications, said benzalkonium halide is being present within said solution in an amount less than about 2000 parts per million of said solution, and wherein the wiper exhibits a Kill Efficiency Ratio of at least about 100.

36. (Currently Amended) A wiper as defined in claim 35, further comprising a preservative, a sequestrant, a non-aqueous solvent, ~~a nonionic surfactant~~, or combinations thereof.

37. (Original) A wiper as defined in claim 35, wherein the wiper exhibits a Kill Efficiency Ratio of at least about 200.

38. (Previously Presented) A wiper as defined in claim 35, wherein said benzalkonium halide is present in an amount of between about 150 to about 400 parts per million of said solution.

39-48. (Cancelled)

49. (Previously Presented) A wiper as defined in claim 1, wherein said quaternary compound is present in an amount of less than about 400 parts per million of said solution.

50. (Previously Presented) A wiper as defined in claim 27, wherein said benzalkonium halide is present in an amount of less than about 400 parts per million of said solution.

51. (Previously Presented) A wiper as defined in claim 35, wherein said benzalkonium halide is present in an amount of less than about 400 parts per million of said solution.

52. (Previously Presented) A wiper as defined in claim 1, wherein said substrate contains cellulosic fibers.

53. (Previously Presented) A wiper as defined in claim 27, wherein said nonwoven fabric contains cellulosic fibers.

54. (Previously Presented) A wiper as defined in claim 35, wherein said nonwoven fabric contains cellulosic fibers.

55. (New) A wiper as defined in claim 1, wherein said antimicrobial agent comprises between about 0.01% to about 1% by weight of said sanitizing formulation.